## PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING	AUTHORITY			
To: SUSAN STONE ROSENFIELD FENNEMORE CRAIG		PCT		
3003 NORTH CENTRAL, SUITE 2600 PHOENIX, AZ 85012-2913		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		
		(PCT Rule 43bis.1)		
·		Date of mailing (day/month/year) 11 JAN 2005		
Applicant's or agent's file reference		FOR FURTHER ACTION See paragraph 2 below		
12504.489		See paragraph 2 below		
International application No.	International filing date	(day/month/year)	Priority date (day/month/year)	
PCT/US04/19725	18 June 2004 (18.06.20	04)	20 June 2003 (20.06.2003)	
International Patent Classification (IPC) or both national classification and IPC				
IPC(7): A61K 31/4741, 31/473; C07D 491/02, 491/12 and US C1.: 514/280, 287; 546/23, 48, 65 Applicant				
ARIZONA BOARD OF REGENTS				
1. This opinion contains indications relating to the following items:				
	Basis of the opinion			
Box No. II Priority				
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			entive step and industrial applicability	
Box No. IV Laci	Lack of unity of invention			
1 —	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement			
Box No. VI Cert	Certain documents cited			
Box No. VII Cert	Certain defects in the international application			
Box No. VIII Cert	Certain observations on the international application			
2. FURTHER ACTION				
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.				
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.				
For further options, see Form PCT/ISA/220.				
3. For further details, see notes to Form PCT/ISA/220.				
Name and mailing address of the ISA/ US  Authorized officer  Authorized officer			T C S ALLOSTO	
Mail Stop PCT, Attn: ISA		Authorized officer C S Allath Geoilin Teams CHAPANJIT S AWLAKH		
Commissioner for Patents P.O. Box 1450		CHAPANJIT S.AWLAFA		
Alexandria, Virginia 22313-1450		Telephone No. (		
Form PCT/ISA/237 (cover sheet)	(January 2004)	l		

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	
PCT/US04/19725	

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Box No. I Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Form PCT/ISA/237 (Box No. V) (January 2004)

International application No. PCT/US04/19725

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 1. Statement Claims 1-6 YES Novelty (N) Claims NONE NO YES Claims 1-6 Inventive step (IS) Claims NONE NO YES Industrial applicability (IA) Claims 1-6 Claims NONE NO 2. Citations and explanations: Claims 1-6 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the instant phosphate prodrugs of Phenpanstatin and Pancratistatin and methods of preparing them. Claims 1-6 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.